

JP Utility First Publication No.04-15680

**TITLE: PLANE DISPLAY DEVICE**

**Abstract:**

**PURPOSE:** To improve operation convenience and operability even on a desk by providing an arm part obtained by connecting plural arms which can not be bent so that a connection part may be freely bent in one direction or many directions and a plane display part fixed at one end of the arm part.

**CONSTITUTION:** The 1st joint member 3.4 and the 2nd joint member 3.5 of the arm part 3 are the fulcrums of the 1st arm 3.1, the 2nd arm 3.2 and the 3rd arm 3.3, respectively, and the 1st, the 2nd and the 3rd arms 3.1, 3.2 and 3.3 can move freely. Therefore, the display part 1 constituted of a liquid crystal display device and a plasma display device, etc., can move freely. The number of the joint members 3.4 and 3.5 of the arm part 3 is two. As the number of the joint members 3.4 and 3.5 increases, the fine adjustment of the display part 1 becomes possible and the operability is improved. Since the arm part 3 can move freely, the display part 1 can move freely and the operability is improved.

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 04-015680

(43)Date of publication of application : 21.01.1992

---

(51)Int.Cl.

G09F 9/00  
H04N 5/64

---

(21)Application number : 02-117578

(71)Applicant : HITACHI LTD  
HITACHI VIDEO ENG CO LTD

(22)Date of filing : 09.05.1990

(72)Inventor : INOUE HIROYUKI

NAKAO MITSUYA

KAKIZAKI YUJI

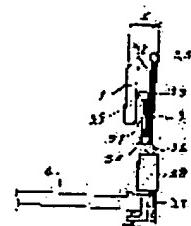
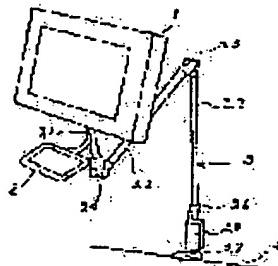
AMANO YOSHIKAZU

---

## (54) PLANE DISPLAY DEVICE

### (57)Abstract:

PURPOSE: To improve operation convenience and operability even on a desk by providing an arm part obtained by connecting plural arms which can not be bent so that a connection part may be freely bent in one direction or many directions and a plane display part fixed at one end of the arm part.



CONSTITUTION: The 1st joint member 3.4 and the 2nd joint member 3.5 of the arm part 3 are the fulcrums of the 1st arm 3.1, the 2nd arm 3.2 and the 3rd arm 3.3, respectively, and the 1st, the 2nd and the 3rd arms 3.1, 3.2 and 3.3 can move freely. Therefore, the display part 1 constituted of a liquid crystal display device and a plasma display device, etc., can move freely. The number of the joint members 3.4 and 3.5 of the arm part 3 is two. As the number of the joint members 3.4 and 3.5 increases, the fine adjustment of the display part 1 becomes possible and the operability is improved. Since the arm part 3 can move freely, the display part 1 can move freely and the operability is improved.

**LEGAL STATUS**

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office